

What Is Claimed Is:

1. A curable silicone resin composition comprising:

5 (A) an aromatic hydrocarbon compound having at least two hydrogen atoms bonded to silicon atoms, said silicon atoms being bonded to the hydrocarbon skeleton of said aromatic hydrocarbon compound;

(B) a cyclic siloxane compound having at least two silicon atom-bonded alkenyl groups; and

10 (C) a hydrosilylation reaction catalyst.

2. The composition according to claim 1, wherein said component (A) is an aromatic hydrocarbon compound represented by the general formula (1):

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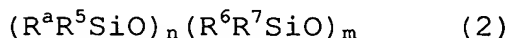
wherein R^1 , R^2 , R^3 , and R^4 each independently represent a hydrogen atom or a group selected from the group consisting of an
20 unsubstituted monovalent hydrocarbon group having 1 to 12 carbon atoms except an alkenyl group, a substituted monovalent hydrocarbon group having 1 to 12 carbon atoms except an alkenyl group, and an alkoxy group having 1 to 6 carbon atoms; and A represents an aromatic ring-containing divalent hydrocarbon
25 group having 6 to 12 carbon atoms.

3. The composition according to claim 2, wherein said A represents an aromatic ring-containing divalent hydrocarbon group having 6 to 10 carbon atoms.

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4. The composition according to claim 1, wherein said component (B) is a cyclic siloxane compound represented by the

general formula (2):



5 wherein R^a represents an alkenyl group having 2 to 6 carbon atoms, R^5 , R^6 , and R^7 each independently represent an unsubstituted or substituted monovalent hydrocarbon group having 1 to 12 carbon atoms, n represents an integer from 2 to 10, and m represents an integer from 0 to 8, provided that $n+m$ represents an integer
10 from 3 to 10.

5. The composition according to claim 4, wherein said R^a represents an alkenyl group having 2 or 3 carbon atoms.

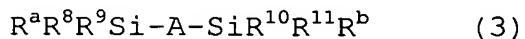
15 6. A curable silicone resin composition comprising:

(D) an aromatic hydrocarbon compound having at least two alkenyl groups bonded to silicon atoms, said silicon atoms being bonded to the hydrocarbon skeleton of said aromatic hydrocarbon compound;

20 (E) a cyclic siloxane compound having at least two silicon atom-bonded hydrogen atoms; and

(C) a hydrosilylation reaction catalyst.

7. The composition according to claim 6, wherein said
25 component (D) is an aromatic hydrocarbon compound represented by the general formula (3):



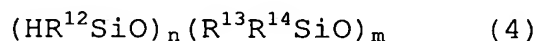
30 wherein R^a and R^b each independently represent an alkenyl group having 2 to 6 carbon atoms; R^8 , R^9 , R^{10} , and R^{11} each independently represent a group selected from the group consisting of an

unsubstituted monovalent hydrocarbon group having 1 to 12 carbon atoms, a substituted monovalent hydrocarbon group having 1 to 12 carbon atoms, and an alkoxy group having 1 to 6 carbon atoms; and A represents an aromatic ring-containing divalent hydrocarbon group having 6 to 12 carbon atoms.

8. The composition according to claim 7, wherein said R^a and R^b each independently represent an alkenyl group having 2 or 3 carbon atoms.

9. The composition according to claim 7, wherein said A represents an aromatic ring-containing divalent hydrocarbon group having 6 to 10 carbon atoms.

10. The composition according to claim 6, wherein said component (E) is a cyclic siloxane compound represented by the general formula (4):



wherein R¹², R¹³, and R¹⁴ each independently represent a hydrogen atom or an unsubstituted or substituted monovalent hydrocarbon group having 1 to 12 carbon atoms except an alkenyl group, n represents an integer from 2 to 10, and m represents an integer from 0 to 8, provided that n+m represents an integer from 3 to 10.

11. The composition according to claim 1, further comprising (F1) a network organopolysiloxane having silicon atom-bonded alkenyl groups.

12. The composition according to claim 6, further

comprising (F1) a network organopolysiloxane having silicon atom-bonded alkenyl groups.

13. The composition according to claim 1, further
5 comprising (F2) a network organopolysiloxane having silicon atom-bonded hydrogen atoms.

14. The composition according to claim 6, further
10 comprising (F2) a network organopolysiloxane having silicon atom-bonded hydrogen atoms.

15. The composition according to claim 1, wherein said components (A) and (B) are present such that the quantity of the silicon atom-bonded hydrogen atoms in said component (A)
15 is 0.5 to 2.0 mol per mol of the alkenyl groups in said component (B), and said component (C) is present in an effective quantity as catalyst.

16. The composition according to claim 6, wherein said
20 components (D) and (E) are present such that the quantity of the silicon atom-bonded hydrogen atoms in said component (E) is 0.5 to 2.0 mol per mol of the alkenyl groups in said component (D), and said component (C) is present in an effective quantity as catalyst.

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17. A cured product obtained by curing the composition according to claim 1.

18. A cured product obtained by curing the composition
30 according to claim 6.